

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions and listings of claims in the application:

1-30. **(Canceled)**

31. **(Currently Amended)** A computer readable medium having computer-executable instructions, the instructions being adapted to carry out a method comprising:

displaying an interface for keyset profile management in a wireless network, the interface including:

a user-selectable option to select a keyset profile, the selected keyset profile including a plurality of keysets ~~associated with access points in a wireless network~~; and

a user-selectable option to select a keyset from the plurality of keysets in the selected keyset profile,

wherein each of the keysets in the keyset profile includes a set of multiple keys and each is associated with a distinct group of one or more access points in the wireless network.

32. **(Previously Presented)** The computer readable medium of claim 31, wherein the option to select the keyset comprises a keyset list and an option to set a keyset shown in the keyset list as the selected keyset, and

wherein the method further comprises displaying, through the interface, information regarding the selected keyset in response to user selection of the keyset.

33. **(Previously Presented)** The computer readable medium of claim 31, wherein the interface further includes a keyset editing region that includes information regarding one or more keys in the selected keyset.

34. **(Previously Presented)** The computer readable medium of claim 33, wherein the information regarding one or more keys in the selected keyset includes a user-editable list of keys in the selected keyset.

35. **(Previously Presented)** The computer readable medium of claim 33, wherein the keyset editing region includes an option to add and/or update data associated with the selected keyset.

36. **(Previously Presented)** The computer readable medium of claim 31, wherein the interface further includes an option to associate a keyset with a selected keyset profile.

37. **(Previously Presented)** The computer readable medium of claim 36, wherein the associated keyset is user-defined through the interface.

38. **(Previously Presented)** The computer readable medium of claim 36, wherein the associated keyset is user-selected through the interface.

39. **(Previously Presented)** The computer readable medium of claim 31, wherein the interface further includes a user-selectable option to delete the selected keyset.

40. **(Previously Presented)** The computer readable medium of claim 31, wherein the interface further includes a user-selectable option to unselect the selected keyset.

41. **(Currently Amended)** The computer readable medium of claim 31, wherein the wireless network includes first and second wireless sub-networks each having an associated identifier, and

wherein the group of one or more access points corresponding to a first one of the keysets are part of the first wireless sub-network identified with the first identifier and the group of one or more access points corresponding to a second one of the keysets are part of the second wireless sub-network identified with the second identifier. ~~plurality of keysets in the selected~~ keyset profile are associated with access points in a plurality of wireless networks.

42. **(Currently Amended)** A method for decrypting data captured by a wireless network analyzer and for managing keyset profiles used to decrypt the data, the method comprising:

decrypting, using a keyset profile, data captured by the wireless network analyzer from a plurality of access points in a wireless network; and

displaying an interface adapted for management of the keyset profiles,

wherein the displayed interface comprises user-selectable options to manage the keyset profile and to manage a keyset from among a plurality of keysets in the keyset profile, and wherein each of the keysets in the keyset profile includes a plurality of keys and each is associated with a distinct group of one or more access points in the wireless network.

43. **(Previously Presented)** A computer readable medium having computer-executable instructions, the instructions being adapted to carry out the method of claim 42.

44. **(Currently Amended)** A method for decrypting data captured by a wireless network analyzer, the method comprising:

receiving a first user selection indicating a keyset profile;

receiving a second user selection indicating a keyset from among a plurality of keysets in the selected keyset profile;

capturing data from a wireless network at a wireless network analyzer; and

decrypting the captured data using the selected keyset,

wherein each of the keysets in the keyset profile includes a plurality of keys and each is associated with a distinct group of one or more access points in the wireless network.

45. **(Previously Presented)** The method of claim 44, wherein the captured data is decrypted in real time.

46. **(Previously Presented)** The method of claim 44, wherein receiving the second user selection includes displaying, to a user, a keyset list comprising the plurality of keysets in the selected keyset profile.

47. **(Previously Presented)** A computer readable medium having computer-executable instructions, the instructions being adapted to carry out the method of claim 44.

48. **(New)** The computer readable medium of claim 31, wherein the group of one or more access points corresponding to a first one of the keysets and the group of one or more access points corresponding to a second one of the keysets share a common network identifier.